

Abstract

The present invention is a peritoneal function testing method characterized by using a ratio $MTAC_{un}/MTAC_c$ calculated using $MTAC_{un}$ and $MTAC_c$ as an index for a peritoneal function test, where $MTAC_{un}$ is an overall mass transfer-area coefficient for urea nitrogen and $MTAC_c$ is an overall mass transfer-area coefficient for creatinine. The use of $MTAC_{un}/c$ of the present invention in this way enables examination of the future peritoneal function of a patient (a mechanism of deterioration in peritoneal function). To be specific, $MTAC_{un}$ and $MTAC_c$ can be obtained by computing Pyle-Popovich model. In addition, the peritoneal function testing method may further calculate a permeability coefficient for cell pores (L_pS_c) and an overall permeability coefficient (L_pS) from Three-Pore Theory model while obtaining a ratio L_pS_c/L_pS calculated using the L_pS_c and the L_pS , and may use the L_pS_c/L_pS ratio and the $MTAC_{un}/MTAC_c$ ratio as indexes for the peritoneal function test.